

Converting Colors

$Y_{xy}(33.4954, 0.4500, 0.4025)$

Have a look what the booklet for
Yxy(33.4954, 0.4500, 0.4025)
contains.

Yxy(33.4954, 0.4500, 0.4025)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.4954, 0.4500, 0.4025)

Conversions

Conversions Part 1

Format	Color
Hex	D18E51
RGB	209, 142, 81
RGB Percent	82%, 56%, 32%
CMY	0.1805, 0.4431, 0.6824
CMYK	0.00, 0.32, 0.61, 0.18
HSL	29°, 58%, 57%
HSV	29°, 61%, 82%
XYZ	37.4483, 33.4954, 12.2747
YIQ	155.0790, 59.5130, -4.7670

Conversions

Conversions Part 2

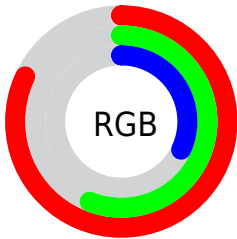
Format	Color
RYB	209, 198, 81
Decimal	13733457
CIELab	64.56, 19.31, 42.28
CIELCh	65, 46.482, 65.454
Yxy	33.4954, 0.4500, 0.4025
Android (android.graphics.Color)	4291923537 (0xFFD18E51)
YUV	155.0790, -36.5209, 47.2887
Hunter-Lab	57.8752, 14.2172, 27.9379

Details

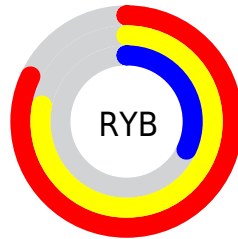
The Yxy color **33.4954, 0.4500, 0.4025** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **27.5182, 0.2173, 0.2346**, and the grayscale version is **32.9609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4058, 0.4123, 0.3950**, and **14.3379, 0.4894, 0.4164** is the 20% darker color. If you saturate the color by 10%, you get **30.1342, 0.4786, 0.4093**, and if you desaturate by 10%, it is **37.2756, 0.4219, 0.3925**.

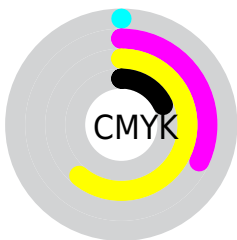
Distribution



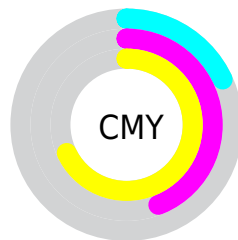
- Red (82%)
- Green (56%)
- Blue (32%)



- Red (82%)
- Yellow (78%)
- Blue (32%)



- Cyan (0%)
- Magenta (32%)
- Yellow (61%)
- Black (18%)



- Cyan (18%)
- Magenta (44%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4954, 0.4500, 0.4025 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.4954, 0.4500, 0.4025 by changing the saturation by 10% instead.


 33.4954, 0.4500,
0.4025


 33.4954, 0.4500,
0.4025


317.8762, 0.3790,
0.3689


 22.5062, 0.4675,
0.4089


 65.1482, 0.4241,
0.3915

 14.2293, 0.4892,
0.4155


 86.5806, 0.4144,
0.3870

 8.2803, 0.5163,
0.4211


 112.2629, 0.4062,
0.3830

 4.2749, 0.5652,
0.4343

 142.5794, 0.3991,
0.3795

 1.8285, 0.5889,
0.4111

 177.9147, 0.3930,
0.3764

 0.5048, 0.6544,
0.3456

218.6529, 0.3878,

 0.0000, 0.0000,

0.3736

0.0000

265.1786, 0.3831,
0.3711

■ 33.4954, 0.4500,
0.4025

■ 33.4954, 0.4500,
0.4025

■ 30.1342, 0.4786,
0.4093

■ 37.2756, 0.4219,
0.3925

■ 27.1686, 0.5061,
0.4118

■ 41.4866, 0.3955,
0.3806

■ 24.5799, 0.5305,
0.4088

■ 46.1457, 0.3714,
0.3678

■ 22.5974, 0.5488,
0.4025

■ 51.2675, 0.3499,
0.3549

■ 56.8659, 0.3311,
0.3424

■ 62.9541, 0.3146,
0.3304

■ 69.5449, 0.3003,
0.3193

■ 76.6502, 0.2879,
0.3090

■ 83.3418, 0.2846,
0.3137

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4954, 0.4523, 0.3489



33.4954, 0.4500, 0.4025



33.4954, 0.4088, 0.4469

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.4954, 0.4500, 0.4025



33.4954, 0.2199, 0.3552



33.4954, 0.2683, 0.2256

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.4954, 0.4500, 0.4025



27.5182, 0.2173, 0.2346

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.4954, 0.2162, 0.2190



33.4954, 0.4500, 0.4025



33.4954, 0.1906, 0.2836

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.4954, 0.4500, 0.4025



33.4954, 0.2753, 0.4276



33.4954, 0.1898, 0.2371



33.4954, 0.3396, 0.2531

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.4954, 0.4500, 0.4025



33.4954, 0.3674, 0.4617



33.4954, 0.1898, 0.2371



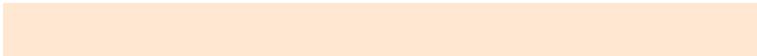
33.4954, 0.2482, 0.2208

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.4971, 0.4500, 0.4025



83.0115, 0.3439, 0.3510



21.6144, 0.3978, 0.2479



17.2310, 0.3498, 0.3548



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4971, 0.4500, 0.4025



46.0065, 0.4859, 0.4104



57.6719, 0.4011, 0.4669



12.7247, 0.3279, 0.3401



14.1308, 0.5465, 0.4043



0.9485, 0.5171, 0.4276

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.5182, 0.2173, 0.2346



35.8418, 0.2013, 0.2112



12.8897, 0.1956, 0.1388



12.4266, 0.2983, 0.3176



9.8272, 0.1797, 0.1667



0.7079, 0.1886, 0.1988

Previews

White Background



This preview shows how the Yxy color 33.4954, 0.4500, 0.4025 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.4954, 0.4500, 0.4025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

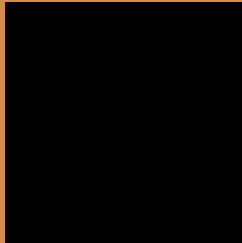
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4954, 0.4500, 0.4025

Background



This preview shows how black text looks on a background with the Yxy color 33.4954, 0.4500, 0.4025.



This preview shows how white text looks on a background with the Yxy color 33.4954, 0.4500, 0.4025.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.4954, 0.4500, 0.4025

Protanopia

33.6701, 0.3955, 0.4300

Deuteranopia

33.3969, 0.4291, 0.4196



Tritanopia

33.6684, 0.3906, 0.3168

Trichromacy



Original Color

33.4954, 0.4500, 0.4025

Protanomaly

33.5357, 0.4149, 0.4206

Deuteranomaly

33.2791, 0.4371, 0.4123

Tritanomaly

33.5791, 0.4135, 0.3493

Monochromacy



Original Color

33.4954, 0.4500, 0.4025

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.4852, 0.3611, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4954, 0.4500, 0.4025 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(209, 142, 81)` looks like.

```
.text, #text, p{  
    color:rgb(209, 142, 81)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 142, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 142, 81) }
```

Border

The CSS property to change the border of an element to Yxy 33.4954, 0.4500, 0.4025 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 142, 81) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(209, 142, 81) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(209, 142, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 142, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 142, 81);  
box-shadow:4px 4px 4px 4px rgb(209, 142,  
81) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 33.4954, 0.4500, 0.4025$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 142, 81) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209,  
142, 81) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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